

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/A



Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072



IDENTITY (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or no Bar's Leaks / Bar's Rust information is available, the space must be marked to indicate that. Section I Manufacturer's Name **Emergency Telephone Number** Fre-Bar, Inc. Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information 720 West Rose St. 313-634-8278 Date Prepared Holly, Michigan 48442 2/19/87 Signature of Preparer (optional) Section II — Hazardous Ingredients/Identity Information Other Limits Hazardous Components (Specific Chemical Identity; Common Name(s)) **OSHA PEL ACGIH TLV** Recommended % (optional) Water Soluble Oil 5mg/m3 for oil mist THE SPECIFIC FORMULA IS PROPRIETARY. INFORMATION WILL BE RELEASED TO MEDICAL PROFFESIONALS UPON REQUEST. Section III — Physical/Chemical Characteristics Specific Gravity (H₂Q = 1). **Boiling Point** LOST MOISTURE (WATER) 212 F Vapor Pressure (mm Hg.) Melting Point UNK N/A Vapor Density (AIR = 1) Evaporation Rate (Butyl Acetate = 1) 1000X SLOWER Solubility in Water **EMULSIFIES** Appearance and Odor **HYDROCARBON** AMBER TO DARK FLUID Section IV — Fire and Explosion Hazard Data Flash Point (Method Used) Flammable Limits LEL UEL 330 MIN COC UNK Extinguishing Media WATER FOG. ALCOHOL FOAM. DRY CHEMICAL POWDER. CARBON DIOXIDE. Special Fire Fighting Procedures WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIRE FIGHTING IN CONFINED SPACE. Unusual Fire and Explosion Hazards



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Toxicity rating 2

Toxicity rating 3 1.03%

52.5%

37.0%

5.0% 2.5%

0.5%

2.5%

0.5%

PLAY DOUGH Toxicity rating	CUTTING OILS (Cont.)	GEAR OILS (Cont.)
1. Water Wheat flour Sodium chloride	2. Cutting oils—insoluble type Toxicity rating 2 or 3 Mineral oils (including sulfurized	May contain: Trichloethylene* (as cut-back sol-
Calcium chloride	mineral oils) 80-100%	vent 0-25%
Highly refined mineral spirits low odor	Fatty oils (including sulfurized fatty	GENERAL PURPOSE OILS
Titanium dioxide	oils) 1-40%	(household, electric motors) Toxicity rating 2 or 3
Aluminum sulfate	Sulfur (combined and suspended) 0-10%	Mineral oils 90–100%
Borax	Chlorine (chlorinated paraffins rarely	May contain:
Color (food dyes)	chlorinated aromatics) 0-10%	Rust inhibitors (sulfonates, amines,
Preservative (sodium benzoate)	Phosphorus (organic phosphates and	fatty oils, fatty acids) 0-10%
Perfume	phosphites) 0-1%	Odorants 0-trace
2. Day Glo Play Dough	3. Cutting oils—soluble type Toxicity rating 2 or 3	Silicone
Same as above except day glo pigments	Mineral oils 60-90%	
are used in place of dyes.	Water 1-5%	GREASES Toxicity rating 2
SMOKE FLUID FOR TOY ELECTRIC TRAINS	Emulsifiers 5-30%	Petroleum oils
Pure white mineral oil U.S.P. grade	Sodium and amine soaps	Soap (Na, Li, Ca, Al)
viscosity85 sec. 1000 parts	Sodium sulfonates, naphthenates, rosinates	May contain:
Hexahydrothymol U.S.P. 1 part		Barium compounds
Fractol (minerol oil) 1 part	Coupling agents 1-2% Alcohols	Borax
	Glycol ethers	Chromate
SMOKE PELLETS FOR TOY ELECTRIC TRAINS	Glycols	Dye
Santo Wax-M 1 part		Graphite
Santo Wax-P 0.15 part	Rust inhibitors 1-10% Amines	Lead compounds
J. Solvent (approx. 0.2	Fatty oils	Molybdenum disulfide
part)	Sulfurized fatty oils	Talc Zinc salt
May contain:	Bactericides 0-1%	Zinc sait
Tetramethylbenzene Xvlene	Chlorophenols	METAL PROTECTIVE OILS
Ethyl toluene	Organic mercurials*	1. Slushing type Toxicity rating 3
Propyl benzene	Iodine compounds	Mineral oil 40-60%
Cumene	Formaldehyde releasers	Stoddard solvent* 40-60%
Trimethylbenzene	Quaternary ammonium com-	Kerosene* 40-60%
Ethyl benzene	pounds	May contain:
Naphthalene	Note: Soluble cutting oils are usually diluted with from 10	Sodium sulfonates 0-5%
	to 75 parts of water to 1 part of the oil to form emulsions that	Petroleum oxidates 0-5%
TOY CAPS Toxicity rating 4	are used in metal-working operations.	2. Protective coating type Toxicity rating 2 or 3
Amorphous red phosphorus		Asphalts 40-60%
Potassium chlorate*	ESSENTIAL OILS (see Section II under OILS and under	Light petroleum distillates* 40-60%
Antimony trisulfide* (see Antimony	ESSENTIAL OILS)	May contain:
salts)	FURNACE OILS Toxicity rating 3	Fatty oils 0-5%
Water-soluble gum	Petroleum distillates*	Mineral oils 35-60%
Inert abrasive	GEAR OILS Toxicity rating 2 or 3	Petrolatum 30-50%
OILS	Mineral oils 70–100%	Petroleum wax 0-20%
AROMATIC (see ESSENTIAL OILS, Section II)	Lubricity agents, extreme pressure	Stoddard solvent* 0-25% Soaps 0-3%
	agents, antiwear agents 0-20%	
BABY (see COSMETICS)	CI, S.P. compounds	MISCELLANEOUS OILS Toxicity rating 3 or 4
CUTTING OILS	Fatty oils	Mineral oils
1. Cutting oils—chemical coolants Toxicity rating 3	Sulfurized fatty oils	Additives
Water 50-90%	Chlorinated paraffins*	Xylene*
Rust inhibitors 1-10%	Lead soaps, lead naphthenate*	Alkaline salts of organic acids
Sodium nitrite*	Tricresyl and other organic phos-	Rust inhibitors
Ethanol amines	phates	Kerosene
Potassium or sodium soaps	Oxidation and corrosion inhibitors 0-5%	Silicone
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Lubricity agents 20-50%		Propellant 1000
Lubricity agents 20-50% Polyether glycols	Barium and calcium petroleum sulfo-	Phosphorus trace
Polyether glycols		Phosphorus trace Zinc trace
Lubricity agents 20-50% Polyether glycols Alkyl-phenol-ethylene oxide condensation products	Barium and calcium petroleum sulfo- nates	Phosphorus trace Zinc trace Barium trace
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Polyether glycols Alkyl-phenol-ethylene oxide condensation products Bactericides 0–1% Chlorophenols Organic mercurials* (see Methyl	Barium and calcium petroleum sulfo- nates Barium and calcium phenolates* 2,6-Ditertiary butyl-p-cresol Amines, diphenylamine Zinc dialkyl dithiophosphates Pour depressants and viscosity	Phosphorus trace Zinc trace Barium trace Citronella (home) trace MOTOR OILS Toxicity rating 2 Mineral oils 75-100% Oxidation inhibitors and detergents 0-20%
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